

In the Claims

- Sub B1
1. (Amended) In a computer system having (i) a working memory in which application programs are executed, and (ii) an operating system including a file manager for managing files of application programs executed in the working memory, file and file image preview apparatus comprising:

an extension coupled to the operating system in a manner such that the extension is entirely integrated with the operating system, the extension enabling user selection of a desired file and in response to user selection of the desired file, the extension enabling display of an indication of internal file characteristics of the desired file in a manner free of opening an application program in working memory and hence external to application programs in the working memory; and

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a display assembly responsive to the extension for displaying the indication of internal file characteristics of the user-selected desired file, in a manner free of opening an application program in working memory, such that a preview of the user-selected desired file is provided.

- A2 Sub D2
5. (Amended) Apparatus as claimed in Claim 1 wherein the indication of internal file characteristics include indications of at least one of height, width, length, color type, resolution, compression type used for storing and forming the file, and annotation graphics of the file.

6. (Amended) Apparatus as claimed in Claim 1 wherein the file manager is a document manager for managing [directories] folders of files, and
- the extension enables display of an indication of [directory] folder characteristics of a user-desired [directory] folder.

- Sub B2
7. (Amended) In a computer system having (i) an operating system and (ii) a working memory for executing application programs, file and file image previewing apparatus comprising:
- a file manager coupled to the operating system, the file manager (a) managing files generated by application programs executed in the working memory and (b) enabling display of indicia of internal file characteristics of a user-selected file, said file

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manager being coupled to the operating system in a manner such that said display of indicia of internal file characteristics is generated outside of an application program opened and running in the working memory and hence external to application programs in the working memory; and

a display assembly responsive to the file manager for displaying indicia of internal file characteristics of the user-selected file, outside of an application program opened and running in working memory, said display assembly thus providing a preview of the user-selected file.

~~A3~~ 10. (Amended) Apparatus as claimed in Claim 7 wherein the indicia of internal file characteristics include indications of at least one of height, width, length, color type, resolution, compression type used for storing and forming the file, and annotation graphics of the file.

~~A4~~ 12. (Amended) In a computer system, a method of displaying file characteristics including images of a user-selected file, to provide a preview of the file, comprising the steps of:
~~Sub B3~~
providing a working memory for executing application programs;
executing application programs in said working memory in response to user command, said execution of the application program generating files of the computer system;
providing operating system means for enabling display of indications of internal file characteristics of a file selected by a user, the operating system means enabling display of internal file characteristics outside of an application program opened and running in the working memory; and
in a manner free of opening and running an application program in the working memory, displaying the indications of internal file characteristics of a user-selected file, in response to user command for previewing that file.

~~Sub B3~~ 13. (Amended) A method as claimed in Claim 12 further comprising the steps of:
through the operating system means, enabling display of a working image from the user selected file; and

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displaying a working image with the indications of internal file characteristics of said file.

A5 15. (Amended) A method as claimed in Claim 12 wherein the step of providing indications of internal file characteristics includes displaying indications of at least one of height, width, length, color type, resolution, compression type used for storing and forming the file, and annotation graphics of the file.

Sub C4 16. (Amended) A method as claimed in Claim 12 wherein said step of displaying indications of internal file characteristics includes providing a display assembly responsive to the operating system means for displaying indications of internal file characteristics outside of an application program opened and running in working memory.

Sub D4 17. (Amended) A method as claimed in Claim 12 wherein the step of providing operating system means includes at least one of:
providing a document manager in an operating system, the document manager for managing groupings of files, the document manager enabling display of indications of respective characteristics of user-selected groupings of the files, in a manner free of opening an application program in the working memory; and
providing a file manager in an operating system, the file manager for managing files generated from application programs executed in the working memory, the file manager enabling display of indications of internal file characteristics of user-selected files, in a manner free of opening an application program in the working memory.

REMARKS

Changes have been made to the claims to more particularly point out and distinctly claim the subject matter which the Applicants regard as their invention.

Claims 1, 5, 7, 10, 12, 13 and 15 through 17 have been amended to clarify the distinction between internal and external file characteristics. Support for changes to Claims 1, 5, 7, 10, 12, 13, 15 through 17 can be found in the Specification at least at page 2, lines 16-26, page 6, line 31 to page 7, line 11 and page 18, lines 8-14.